Electronic Acknowledgement Receipt					
EFS ID:	5449175				
Application Number:	10527374				
International Application Number:					
Confirmation Number:	5724				
Title of Invention:	Method and apparatus for simultaneous heat and mass transfer utilizing carrier-gas				
First Named Inventor/Applicant Name:	James R Beckman				
Customer Number:	20306				
Filer:	Kirsten L. Thomson				
Filer Authorized By:					
Attorney Docket Number:	Ariz-10665				
Receipt Date:	04-JUN-2009				
Filing Date:	10-MAR-2005				
Time Stamp:	18:03:26				
Application Type:	U.S. National Stage under 35 USC 371				
Payment information:					

Submitted with Payment

File Listin	g:				
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

no

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	NPI Documents	Agrawal-et-al_ALChE-J-	1003890	no	10
, WE Bocaments	vol42_8-1996.PDF S9bb9b41af420b2ccdoeco370381bcep99				
Warnings:					

Information:

Varnings:					
I		1	0b10		
10	NPL Documents	Davis-et-al_ALChE-J- vol30_3-1984.PDF	1578664	no	11
nformation:					
Warnings:		·	·		
9	NPL Documents	Daugulis-et-al_CA-J-Chem- Engineering-vol69_1991.PDF	Bc79289deec2406du929313b2c79v40eecd7 5511c	no	10
		Daugulis-et-al_CA-J-Chem-	1455890		
Information:					
Warnings:		1			
•	NEL DOCUMENTS	U_1999.PDF	453c49d3b698102112716da1c28a197926 0e39	110	0
8	NPL Documents	Beckman-et-al_AZ-State-	377785	no	6
Information:					
Warnings:					
7	NPL Documents	Beckman-et-al_ALChE-J- vol37_2-1991.PDF	254606 5e95b69bd0011689b799b5268e76ce5c3 a34ab	no	4
Information:					
Warnings:					
	Nr E Documents	PDF	f7833342±62459±8833F1611886146d9b045 0b66	110	,,,
6	NPL Documents	Beckman_Final-Report_9-2002.	3642294	no	76
Information:					
Warnings:					
,	NE Documents	PDF	a22f31d68e6689f3f3331e54464ffb5c46c6e 971	110	50
5	NPL Documents	Beckman_Final-Report_9-1999.	2399719	no	50
Information:					
Warnings:		ı			
4	NPL Documents	Beckman_Final- Report_6-25-2004.PDF	3155650 4d29595272e456ce0d61d9:b3581b68216 ceolof	no	83
Information:					
Warnings:			,		
3	NPL Documents	PDF	a32730a9953a86dffc6140cfal517afdae472 288	no	15
		Beckman_Analysis_3-17-1999.	822254		
Information:					
Warnings:			1ea9e		
2	NPL Documents PDF	7c354ddde7c07256a92ef7a03a5c2783482	no	15	
NDI Danisari	Beckman_ALChE_3-14-1999.	408728			

11	NPL Documents	Davis-et-al_Thesis_12-2003.	3285681	no	107
		PDF	84151a811604u3c537288373af709af52l0b ce4		
Warnings:					
Information:					
12	NPL Documents	Further_CA-J-Chem-Engineer- vol55_6-1977.PDF	1928102	no	11
			405100037385bcc0463b407bd858cc9s59 43c9		
Warnings:					
Information:					
13	NPL Documents	Further-et-al_Int-J-Heat-Mass- Transfer-vol10_1967.PDF	5366870	no	14
			dcb0ff1a4dc7f9452d20380255287b2=0d33 a7io		
Warnings:					
Information:					
14	NPL Documents	Guerreri_Trans-ICHemE-	288232	no	4
		vol70_9-1992.PDF	fcc1765016d4aa4a34bad11998b6596a6b 0x27	110	
Warnings:					
Information:					
15	NPL Documents	Hamieh-et-al_Desalination-	559308	no	10
		vol140_2001.PDF	932616db620cflbfd29d77cd4df66cf082ba cf53		
Warnings:					
Information:					
16	NPL Documents	Hamieh-et-al_Des-Water-	1307947	no	7
		Reuse-vol10-2_2000.PDF	32b04ebd8dfdc04d73b0912226ef2esfbse 1cc1s		·
Warnings:	-				
Information:					
17	NPL Documents	Beckman_US-Provisional-	910882	no	29
.,	W L Documents	Application_1999.pdf	0daSdSSbf23S1e948F12b1bdf12b68SS13cd Se81	110	2,5
Warnings:	l				
Information:					
18	Information Disclosure Statement (IDS)	06-351- US_Supplemental_IDS_6-4-09.	11837834	no	5
	Filed (SB/08)	pdf	5134618822/c06c6b6e4c19948se4557b582c fa73		
Warnings:					
Information:		·			

A U.S. Patent Number Citation or a U.S. Publication Number Citation is required in the Information Disclosure Statement (IDS) form for autoloading of data into USPTO systems. You may remove the form to add the required data in order to correct the Message if you are citing U.S. References. If you chose not to include U.S. References, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.

	Total Files Size (in bytes): 40614462				
Information:					
Warnings:					
19	Fee Worksheet (PTO-875)	fee-info.pdf	01e785f669214eed54dcdd90e74b81f1f725 2a9c	no	2
		30126			

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810). a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.